Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/20/2022 08:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124093	-1	1.36	123986	1.35
Blue	F	SSC	125000	123805	-1	2.78	124422	2.77
Blue	E	FITC	15860	15303	-4	2.28	372	13.85
Blue	D	PE	27718	27191	-2	1.75	632	10.54
Blue	B	PerCP-Cy5-5	38046	36888	-4	3.03	1007	14.95
Blue	A	PE-Cy7	26092	25869	-1	4.94	509	29.99
Red	C	APC	49104	48406	-2	2.89	1704	11.40
Red	A	APC-Cy7	28201	27406	-3	3.33	723	12.31
Violet	B	V450	9904	9398	-6	3.67	522	12.02
Violet	A	V500	39004	37665	-4	3.28	985	9.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23892	1.85	565	-4	N/A	N/A	Pass
Blue	F	SSC	55372	1.52	520	-8	N/A	N/A	Pass
Blue	E	FITC	58	55.60	489	-2	0.0461	115	Pass
Blue	D	PE	124	37.93	495	-1	0.3777	272	Pass
Blue	B	PerCP-Cy5-5	139	44.79	587	-2	0.0196	73	Pass
Blue	A	PE-Cy7	63	94.35	631	-1	0.0227	6	Pass
Red	C	APC	328	26.55	578	-3	0.0283	167	Pass
Red	A	APC-Cy7	96	41.29	550	-5	0.0062	902	Pass
Violet	B	V450	84	51.48	455	-3	0.0524	2190	Pass
Violet	A	V500	123	38.12	467	-2	0.0246	2213	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.59	-31.31	1.18
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.45
Red	15.19	13.90 - 20.86	N/A	N/A	29.64	29.95	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 12639

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments